



**Job Title:** Lecturer in Control Engineering (Teaching Focused)

**Grade:** 8

**Salary:** £39,609 to £48,677 per annum

**School:** Engineering

**Hours/Contract:** Full time, fixed term contract for one year

**Reference:** 1137

### Role Purpose

To develop and deliver teaching, administration and other activities to ensure that a world-class student experience is delivered to undergraduate and taught postgraduate students - this role is primarily focused on the undergraduate teaching of Control Engineering (2<sup>nd</sup> and 3<sup>rd</sup> year) and on the supervision of Control Engineering projects. To support the work of the School of Engineering in developing and enhancing its reputation, both internal and external to the University. To undertake research in the Aerospace & Computational Engineering (ACE) Research Group in the broad area of system dynamics and control.

Main Duties and Responsibilities	% Time
<p><b>Teaching</b></p> <ul style="list-style-type: none"> <li>To play an active role in the development and delivery of teaching at both undergraduate and postgraduate levels. This includes the development of course materials as well as providing student support via tutorials and electronic feedback.</li> <li>To maintain a broad knowledge of up-to-date research and scholarship in relevant fields to ensure that teaching meets the standards expected within a research-led University.</li> <li>To provide tutorial and project support for undergraduate and postgraduate students studying at Leicester.</li> <li>To undertake academic duties (e.g. setting examination papers, marking, invigilation and pastoral support of students) required to sustain the delivery of high quality teaching.</li> <li>To support and comply with the University and School teaching quality assurance standards and procedures, including the provision of such information as may be required by the School or the University.</li> </ul>	60%
<p><b>Scholarship</b></p> <ul style="list-style-type: none"> <li>To undertake scholarship activities associated with Engineering teaching, (e.g. professional engineering practice, impact and knowledge exchange and horizon scanning) to ensure that students' knowledge and skills reflect the state-of-the-art in their discipline.</li> <li>Where appropriate, to seek funding for scholarly work.</li> <li>To publish research and scholarly outputs and to disseminate the results of research and scholarship in internationally recognised journals and other appropriate outlets.</li> <li>Consistent with the resources available within the School and other obligations, to attend and present research findings and papers at academic and professional conferences, and to contribute to the external visibility of the School of Engineering.</li> </ul>	20%





<p><b>Administration</b></p> <ul style="list-style-type: none"> <li>• To undertake such specific administration roles as may be reasonably required by the Head of School (or such persons to whom responsibility may have been delegated).</li> <li>• To attend School meetings and to participate in other committees and working groups within the School, College and the University to which appointed or elected.</li> <li>• To participate in relevant professional activities.</li> <li>• To engage in continuous professional development, for example through participation in relevant staff development programmes.</li> <li>• To undertake, subject to the agreement of the Head of School and the University as appropriate, external commitments which reflect well upon and enhance the reputation of the School of Engineering and the University.</li> <li>• To ensure compliance with health and safety requirements in all aspects of work.</li> </ul>	<p>20%</p>
<p><b>Internal and External Relationships</b></p>	
<p>Collaboration with other departments of the University, industrial partners and other higher education institutions and schools both national and internationally. Academic, technical and administrative members of staff.</p>	
<p><b>Planning and Organising</b></p>	
<p>Plan and deliver courses of lectures to undergraduate and taught postgraduate students.</p>	
<p><b>Qualifications, Knowledge and Experience</b></p>	
<p><b>Essential</b></p> <ul style="list-style-type: none"> <li>• An undergraduate degree in engineering, science or mathematics*</li> <li>• A PhD and/or post-doctoral research track record in an area relevant to system dynamics and control or equivalent industrial experience*</li> <li>• Academic Teaching Qualification or commitment to gain the appropriate category of HEA Fellowship.*</li> <li>• Evidence of excellence in teaching, and/or teaching leadership.</li> </ul> <p><b>Desirable</b></p> <ul style="list-style-type: none"> <li>• Evidence of undergraduate teaching experience including lecturing or co-supervision of undergraduate projects or using e-learning technologies.</li> <li>• Evidence of ability/potential to contribute to department’s current curriculum.</li> <li>• Membership or/and evidence of activity with professional engineering institutions (preferably chartered engineer registration).</li> </ul>	





## Skills, Abilities and Competencies

### Essential

- Ability to teach and to supervise projects within the general area of systems dynamics and control engineering.
- High level of proficiency in English (both in writing and verbally), sufficient to undertake research, teaching and administrative activities utilising English Language materials and to communicate effectively with staff and students at the University of Leicester.
- Good interpersonal skills
- Ability to work flexibly in a team
- Ability to write research grant proposals and high quality journal papers.
- Demonstrate commitment to equality, diversity and anti-discriminatory behaviour. (Staff to undertake equality and diversity training and all other mandatory training).

***\*Criteria to be used in shortlisting candidates for interview***

## VITAL

The University encourages all staff to live our [VITAL values](#) which are:  
**Valuing People, Innovators, Together, Accountable, Leaders.**

## Equality and Diversity

We believe that equality, diversity and inclusion is integral to a successful modern workplace. By developing and implementing policies and systems that challenge stereotypes across all aspects of our work, we have a culture that recognises and values the diverse contributions of our staff which benefits everyone. Our strong values of inclusivity and equality support our efforts to attract a diverse range of high quality staff and students, and identify our University as a progressive and innovative workplace that mainstreams equality, diversity and inclusion.

